

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on April 24, 2008 has been entered.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. Authorization for this examiner's amendment was given in a telephone interview with Francis J. Maguire (Reg. No.: 31,391) on May 28, 2008.

In the Claims:

Claims 1-19 (Cancelled).

20. (Currently Amended) A method, comprising:

enabling integrity checking of a software module to be used in a mobile communication terminal, said terminal ~~capable of~~ communicating in a mobile communication system, said software module already stored on a removable memory unit connected to the terminal and ready for use except, before allowing the software module to take control of the terminal, the terminal communicates via the mobile communication system with a software provider, said ~~communication including~~ terminal comprising a processor configured to carry out said enabling by:

hashing the software module on the removable memory unit, resulting in a first hash value,

transmitting by said terminal of identifying information concerning said terminal and said memory unit to said software provider, wherein said transmitting of identifying information comprises transmitting a first identifier, associated with the memory unit, a second identifier, associated with the terminal and the first hash value via the mobile communication system to said software provider,

receiving by said terminal from said software provider a digitally signed data block comprising a reference value for use during integrity checking of said software module, and said data block comprising a digital signature and further data associated with the memory unit and the terminal,

analyzing the received data block, comprising verification of the digital signature and comparison of said further data with said first and second identifiers,

if the comparison of said further data matches with said first and second identifiers,
storing the received data block comprising the digital signature, thereby providing a the reference
value for use during integrity checking of said software module; and , ~~for allowing the software~~
~~module to take control of the terminal only if the integrity of the software module properly~~
~~checks.~~

wherein said integrity checking further comprises hashing the software module for
providing a second hash value using the reference value, and checking whether or not the second
hash value matches the first hash value and if the second hash value matches the first hash value
allowing the software module to run on and take control of the mobile communication terminal.

21. (Cancelled)

22. (Currently Amended) An apparatus, comprising:

a ~~device~~ processor for enabling integrity checking of a software module to be used in a
~~mobile communication terminal~~ said apparatus, said ~~terminal capable of~~ apparatus for
communicating in a mobile communication system, said software module already stored on a
removable memory unit ~~connected~~ for connection to the terminal and ready for use except,
before allowing the software module to take control of the ~~terminal~~ apparatus, the terminal
communicates via the mobile communication system with a software provider, said ~~device~~
~~including:~~ processor enabling said integrity checking a device for hashing the software module,
resulting in a first hash value, ~~wherein said transmitting of identifying information comprises~~

~~transmitting a first identifier, associated with the memory unit, a second identifier, associated with the terminal and the first hash value via the mobile communication system to said software provider;~~

a transmitter for transmitting identifying information concerning said ~~terminal~~ apparatus and said memory unit to said software provider wherein transmittal of said identifying information comprises transmittal of a first identifier associated with the memory unit, a second identifier associated with the apparatus and the first hash value via the mobile communication system to said software provider;

a ~~device~~ receiver for receiving, from the software provider, a data block comprising a digital signature and further data associated with the memory unit and the terminal;

~~a device~~ said processor for analyzing the received data block, comprising verification of the digital signature and comparison of said further data with said first and second identifiers;
and

a memory device for storing the received data block comprising the digital signature, thereby providing a reference value for use during integrity checking of said software module for a receiver for receiving a digitally signed data block comprising a the reference value for use during integrity checking of said software module ~~and allowing the software module to take control of the terminal only if the integrity of the software module properly checks;~~ and

wherein said integrity checking comprises hashing the software module for providing a second hash value using the reference value, and checking whether or not the second hash value

matches the first hash value and if the second hash value matches the first hash value allowing the software module to run on and take control of the apparatus.

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

Reason for allowance

4. After consideration of the applicant's amendments to the claims, request for continued examination and remark filed on April 24, 2008 in response to the Office Action mailed on January 30, 2008, and further search and through examination and examiner's amendment claims 20 and 22 have been found to be in condition for allowance over prior arts of record.

5. The following is an examiner's statement of reasons for allowance:

Claims 20 and 22 include the following features of a method and its corresponding apparatus which are not taught or further suggested and would not have been obvious over prior arts of record and these features are:

enabling integrity checking of a software module to be used in a mobile terminal, said **software module already stored on a removable memory unit connected to the terminal and ready for use except, before allowing the software module to take control of the terminal**, the terminal communicates with a software provider, including:

the terminal hashing the software module on the removable memory unit, resulting in a **first hash value**, and **transmitting identifying information** comprising a **first identifier**

associated with the memory unit, a second identifier associated with the terminal and the first hash value to the software provider,

the terminal receiving from said software provider a digitally signed data block comprising a reference value for use during integrity checking of said software module, a digital signature and further data associated with the memory unit and the terminal,

analyzing and comparing the received data block, if the comparison of said further data matches with said first and second identifiers, storing the received data block comprising the digital signature, the reference value; the terminal hashing the software module for providing a second hash value using the reference value and, and checking whether or not the second hash value matches the first hash value and if the second hash value matches the first hash value allowing the software module to run on and take control of the mobile communication terminal.

Contact Information

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Techane J. Gergiso whose telephone number is (571) 272-3784 and fax number is (571) 273-3784. The examiner can normally be reached on 9:00am - 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

Art Unit: 2137

applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/T. J. G./

Examiner, Art Unit 2137

/Emmanuel L. Moise/

Supervisory Patent Examiner, Art Unit 2137